

ABSTRACT

A method for preparing one or more lubricated surfaces of an article to reduce the break-out force and sliding frictional force. A lubricant is applied to one or more surfaces, and the lubricant-coated surface is treated by exposing the surface to an energy source, wherein the energy source is an ionizing gas plasma at about atmospheric pressure, gamma radiation, or electron beam radiation. One or more of the surfaces may be exposed to the ionizing gas plasma at about atmospheric pressure prior to application of the lubricant. Another aspect of the invention is articles produced using one or more methods of the invention.